

CAG GTG CAG CTG GTG GAG TCT GGG GGA GGC GTT GTG CAG CCT GGA AGG	48
Gln Val Gln Leu Val <sub>5</sub> Gln Ser Gln Gly <sub>10</sub> Val Gly <sub>15</sub> Arg	
TCC CTG AGA CTC TCC TGT GCA GCC TCT GGA TTC ACC TTC AGT AGC TAT	96
Ser Leu Arg Leu Ser <sub>20</sub> Cys Ala Ala Ser <sub>25</sub> Gly Phe Thr Phe Ser <sub>30</sub> Tyr	
GAC ATG TCT TGG GTT CGC CAG GCT CCG GGC AAG GGT CTG GAG TGG GTC	144
Asp Met Ser <sub>35</sub> Trp Val Arg Gln Ala <sub>40</sub> Pro Gly Lys Gly <sub>45</sub> Leu Glu Trp Val	
GCA AAA GTT AGT AGT GGT GGT GGT AGC ACC TAC Tyr <sub>60</sub> TAT TTA GAC ACT GTG	192
Ala Lys <sub>50</sub> Val Ser Ser Gly <sub>55</sub> Gly Ser Thr Thr Tyr <sub>60</sub> Tyr Leu Asp Thr Val	
CAG GGC CGA TTC ACC ATC TCC AGA GAC AAT AGT AAG AAC ACC CTA TAC	240
Gln Gly Arg Phe Thr <sub>70</sub> Ile Ser Arg Arg Asp Asn Ser <sub>75</sub> Lys Asn Thr Leu Tyr <sub>80</sub>	
CTG CAA ATG AAC TCT CTG AGA GCC GAG GAC ACA Thr Ala Val Tyr <sub>95</sub> TGT TGT	288
Leu Gln Met Asn Ser <sub>85</sub> Leu Arg Ala Glu Asp <sub>90</sub> Thr Ala Val Tyr <sub>95</sub> Tyr Cys	
GCA AGA CAT AAC TAC GGC AGT TTT GCT TAC TGG GGC CAA GGG ACT ACA	336
Ala Arg His Asn Tyr <sub>100</sub> Gly Ser Phe Ala Tyr <sub>105</sub> Trp Gly Gln Gly <sub>110</sub> Thr Thr	
GTG ACT GTT TCT AGT	351
Val Thr Val Ser Ser <sub>115</sub>	

FIG. 1A

GAG ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT CTC AGC CCA GGA	48
Glu Ile Val Leu Thr 5	
1	
GAA AGG GCG ACT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC	96
Glu Arg Ala Thr 20	
25	
CTA CAC TGG TAT CAA CAA AGG CCT GGT CAA GCC CCA AGG CTT CTC ATC	144
Leu His Trp 35	
40	
AAG TAT CGT TCC TCC CAG TCC ATC TCT GGG ATC CCC GCC AGG TTC AGT GGC	192
Lys Tyr Arg Ser 50	
55	
AGT GGA TCA GGG ACA GAT TTC ACC CTC ACT ATC TCC AGT CTG GAG CCT	240
Ser Gly Ser Gly Thr 65	
70	
GAA GAT TTT GCA GTC TAT TAC TGT CAA CAG AGT GGC AGC TGG CCT CAC	288
Glu Asp Phe Ala Val 85	
90	
ACG TTC GGA GGG GGG ACC AAG GTG GAA ATT AAG	321
Thr Phe Gly 100	
105	

**FIG. 1B**

GAA GTG CAG CTG GTG GAG TCT GGG GGA GGC TTA GTG AAG CCT GGA AGG	48
Glu Val Gln Leu Val <sub>5</sub> Glu Ser Cys Ala Ala Ser <sub>25</sub> Gly Gly <sub>10</sub> Leu Val Lys Pro Gly <sub>15</sub> Arg	
TCC CTG AGA CTC TCC TGT TGG GCA GCC TCT GGA TTC GCT TTC AGT AGC TAT	96
Ser Leu Arg Leu Ser <sub>20</sub> Trp Val Arg Gln Ile Pro Glu Lys Arg <sub>45</sub> Phe Ser <sub>30</sub> Tyr	
GAC ATG TCT TGG GTT TGG CAG ATT CCG GAG AAG AGG CTG GAG TGG GTC	144
Asp Met Ser <sub>35</sub> Trp Val Arg Gln Ile Pro Glu Lys Arg <sub>45</sub> Phe Ser <sub>30</sub> Tyr	
GCA AAA GTT AGT AGT GGT GGT GGT AGC ACC ACC TAT TTA GAC ACT GTG	192
Ala Lys Val Ser Ser <sub>50</sub> Gly Gly <sub>55</sub> Ser Thr Thr Tyr Tyr <sub>60</sub> Leu Asp Thr Val	
CAG GGC CGA TTC ACC ATC TCC AGA GAC AAT GCC AAG AAC ACC CTA TAC	240
Gln Gly Arg Phe Thr <sub>70</sub> Ile Ser Arg Asp Asn Ala <sub>75</sub> Lys Asn Thr Leu Tyr <sub>80</sub>	
CTG CAA ATG AGC AGT CTG AAC TCT GAG GAC ACA GCC ATG TAT TAC TGT	288
Leu Gln Met Ser <sub>85</sub> Ser Leu Asn Ser Glu Asp <sub>90</sub> Thr Ala Met Tyr <sub>95</sub> Cys	
GCA AGA CAT AAC TAC GGC AGT TTT GCT TAC TGG GGC CAA GGG ACT CTG	336
Ala Arg His <sub>100</sub> Asn Tyr Gly Ser Phe <sub>105</sub> Ala Tyr Trp Gly Gln <sub>110</sub> Thr Leu	
GTC ACT GTC TCT GCA	351
Val Thr Val Ser Ala <sub>115</sub>	

FIG. 2A

GAT ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT GTG ACA CCA GGA Asp Ile Val Leu Thr 5	48
GAT AGC GTC AGT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC Asp Ser Val Ser Leu 20	96
CTA CAC TGG TAT CAA CAA AAA TCA CAT GAG TCT CCA AGG CTT CTC ATC Leu His Trp Tyr 35	144
AAG TAT CGT TCC CAG TCC ATC TCT GGG ATC CCC TCC AGG TTC AGT GGC Lys Tyr Arg Ser Gln Ser 55	192
AGT GGA TCA GGG ACA GAT TTC GCT CTC AGT ATC AAC AGT GTG GAG ACT Ser Gly Ser Gly Thr 70	240
GAA GAT TTT GGA ATG Met 85	288
ACG TTC GGA GGG ACC AAG CTG GAA ATT AAG Thr Phe Gly 100	321

FIG. 2B

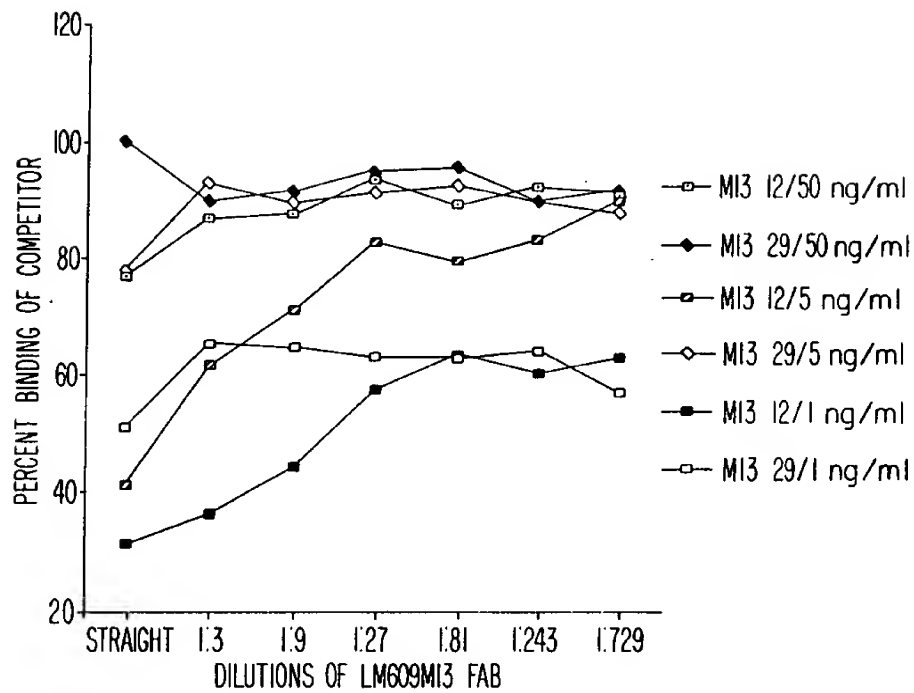


FIG. 3

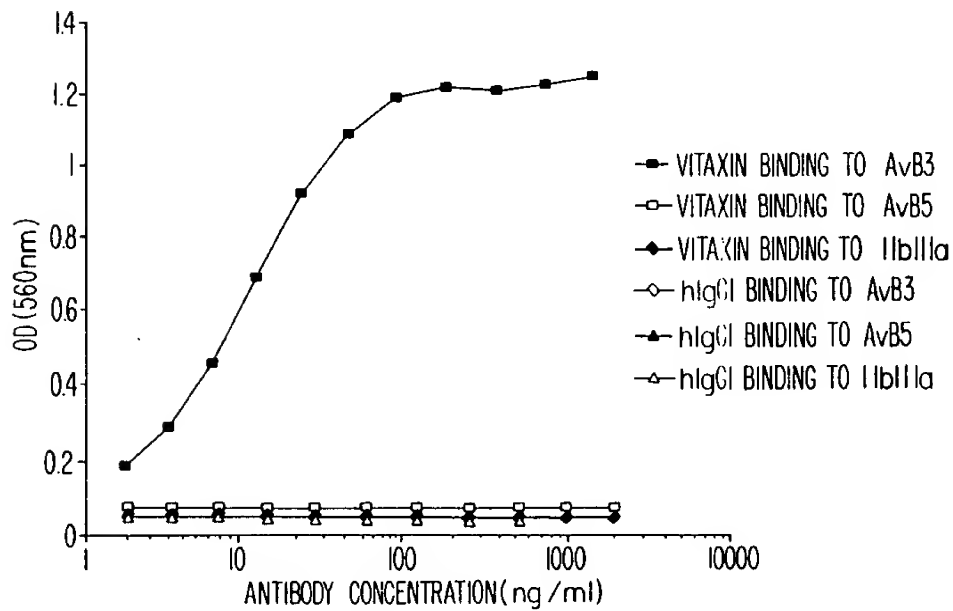


FIG. 4A

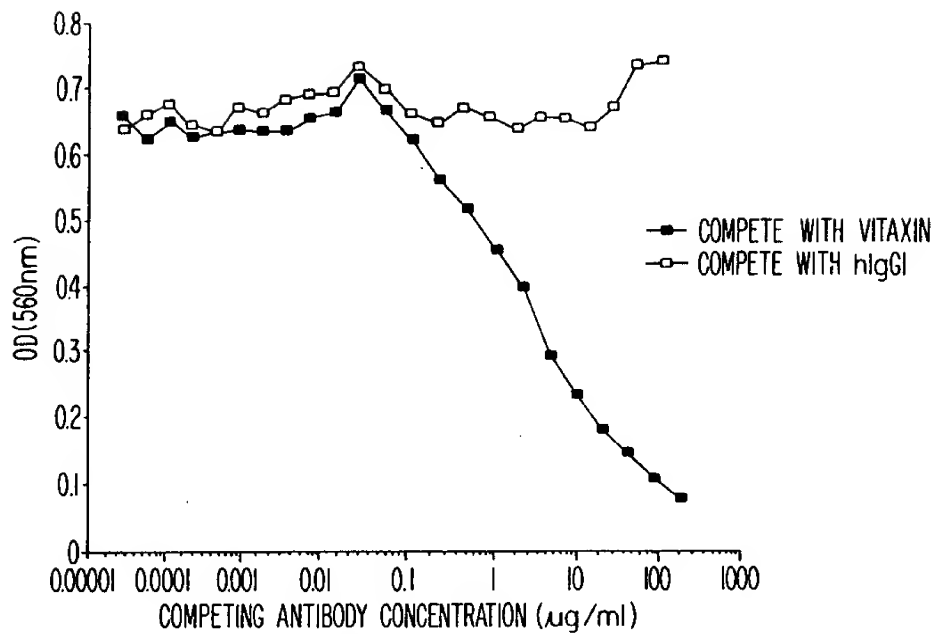


FIG. 4B

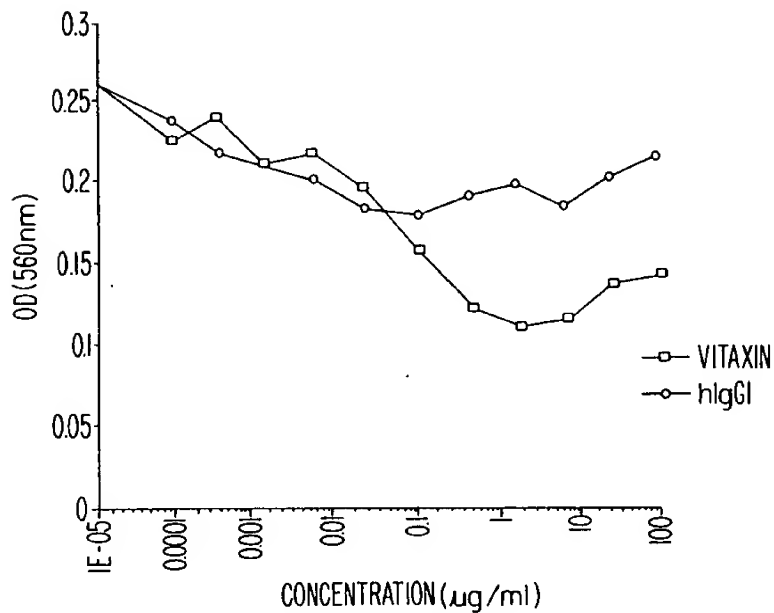


FIG. 4C

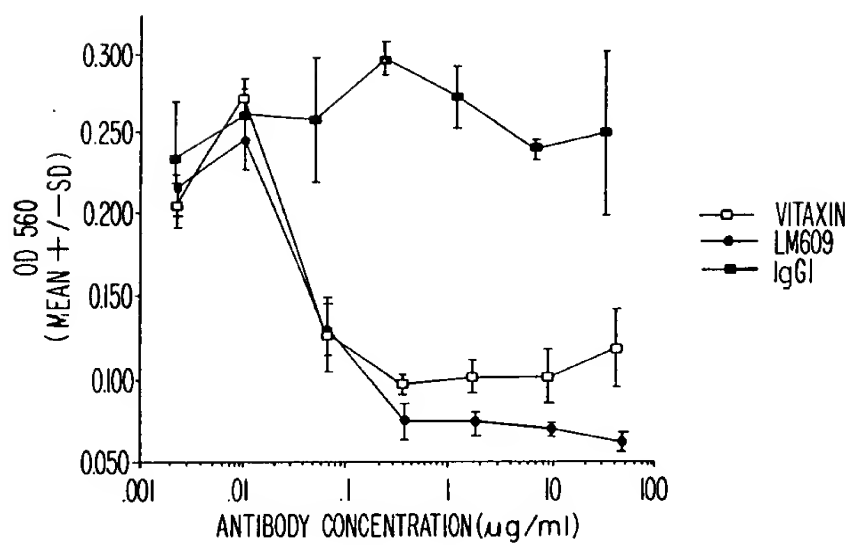


FIG. 5A

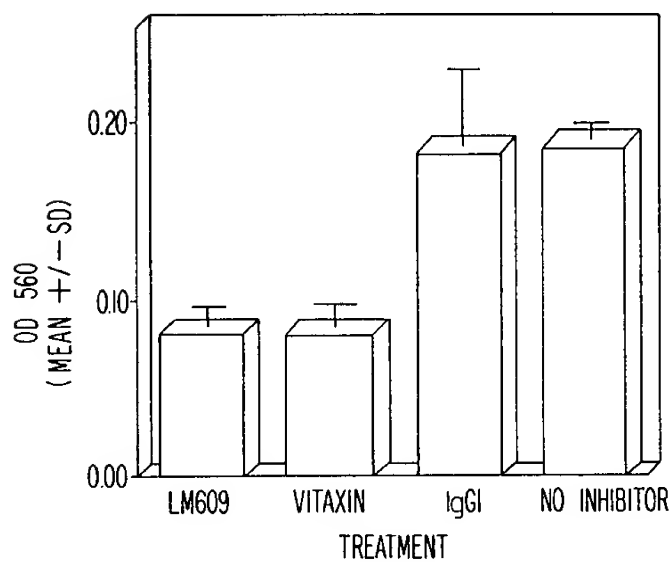


FIG. 5B

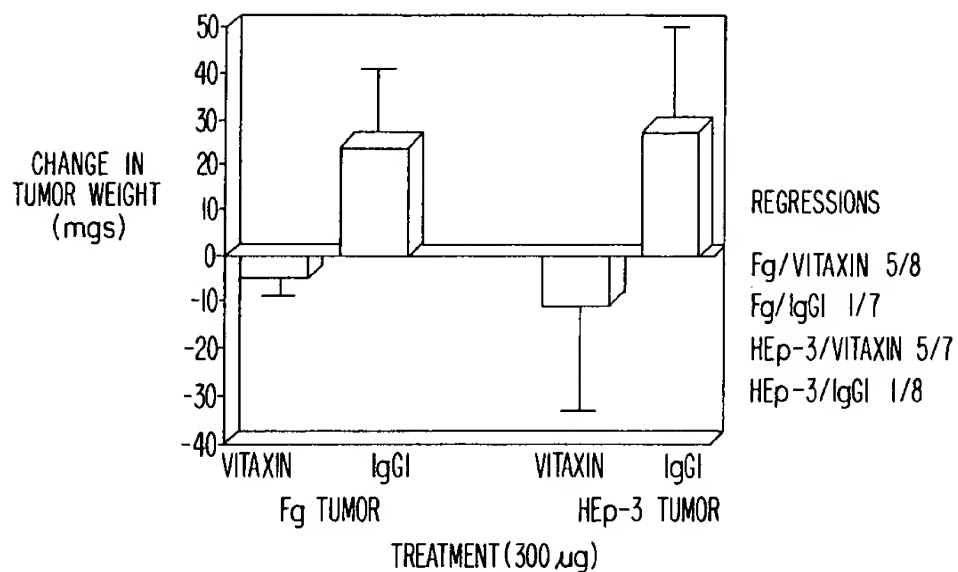


FIG. 6A

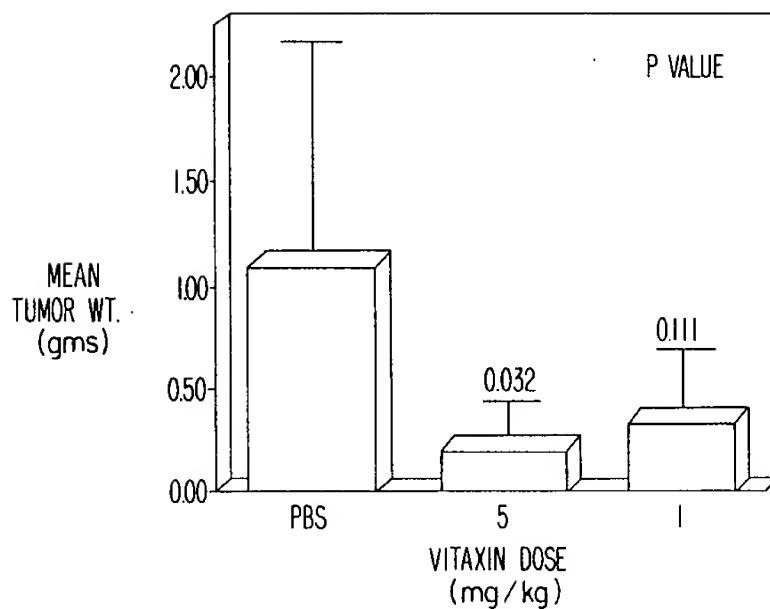


FIG. 6B



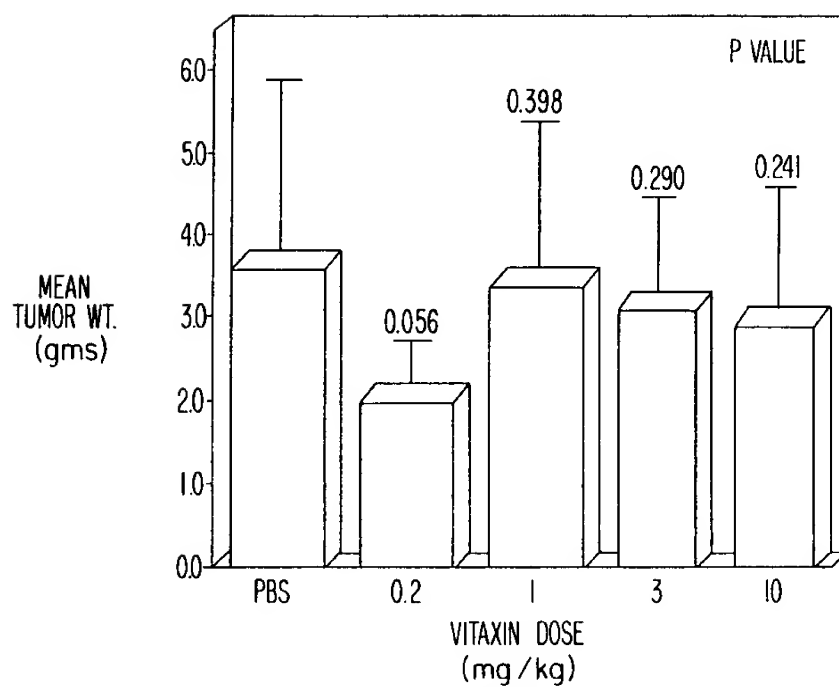


FIG. 6C

GAG ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT CTC AGC CCA GGA Glu Ile Val Leu Thr 5	48
GAA AGG GCG ACT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC Glu Arg Ala Thr 20	96
CTA CAC TGG TAT CAA CAA AGG CCT GGT CAA GCC CCA AGG CTT CTC ATC Leu His Trp Tyr 35	144
CGT/ATG TAT CGT TCC CAG TCC TCC ATC TCT GGG ATC CCC GCC AGG TTC AGT GGC Arg/Met Tyr Arg Ser Gln Ser 55	192
AGT GGA TCA GGG ACA GAT TTC ACC CTC ACT ATC TCC AGT CTG GAG CCT Ser Gly Ser Gly Thr 65	240
GAA GAT TTT GCA GTC TAT TAC TGT CAA CAG AGT GGC AGC TGG CCT CAC Glu Asp Phe Ala Val 85	288
ACG TTC GGA GGG ACC AAG GTG GAA ATT AAG Thr Phe Gly Gly 100	321

FIG. 7

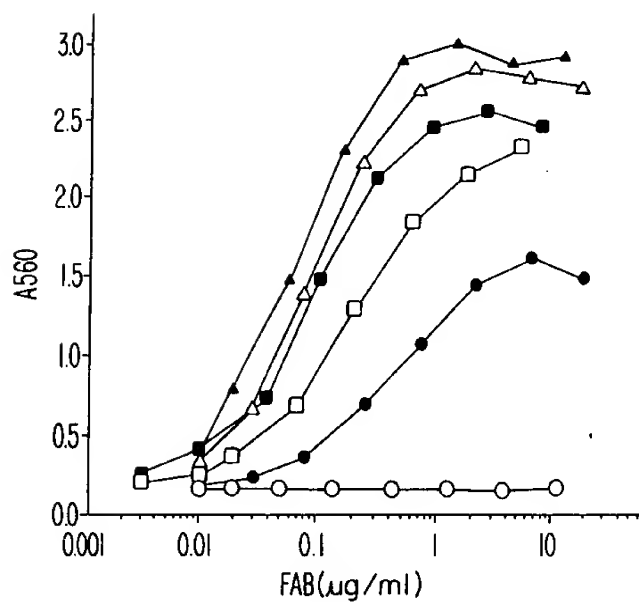


FIG. 8

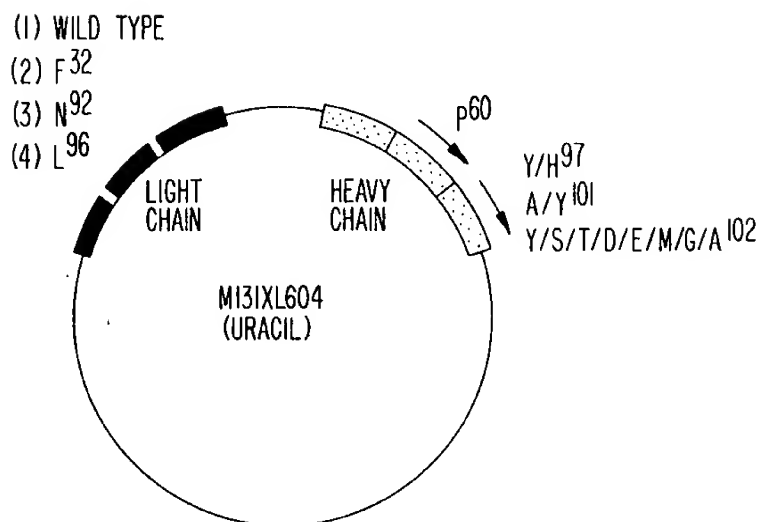


FIG. 9

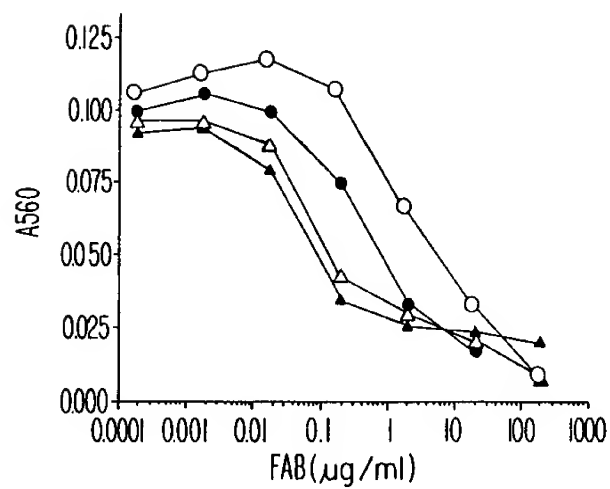


FIG. IOA

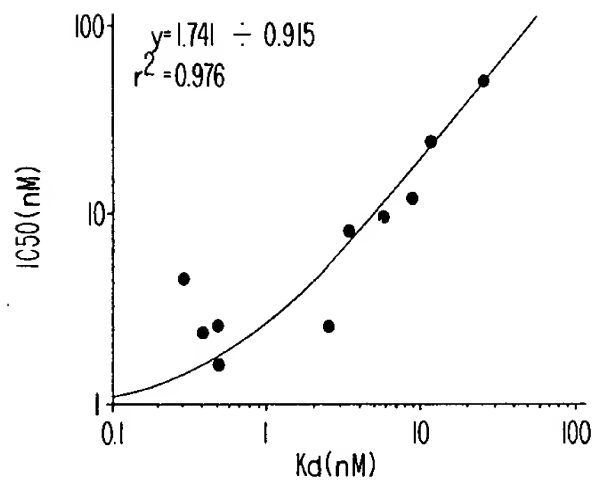


FIG. IOB

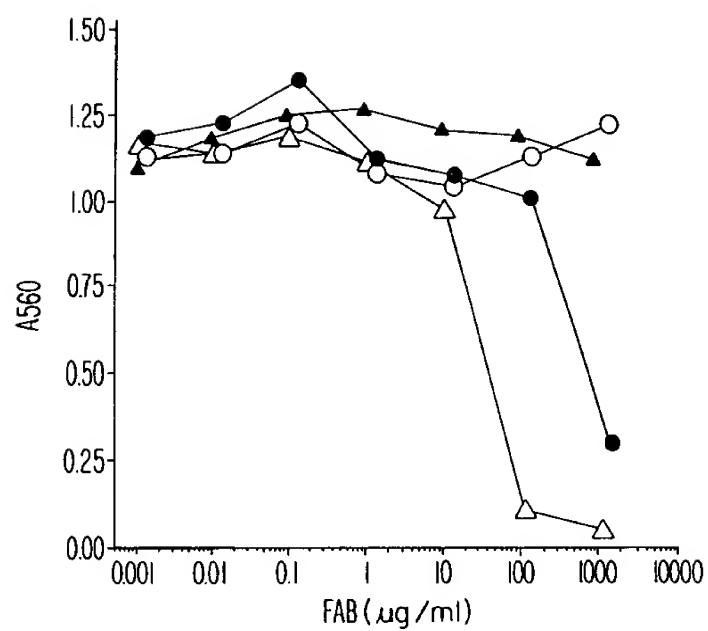


FIG. 11